

EAST - [1008-1115.wsp:1]

File View Edit Tools Window Help

L2: (30814) L1 and ((wireless or cellular) near5 system)

L3: (1299) L2 and (AGC or "variable gain controller" or "automatic gain contr

L4: (798) L3 and "base station"

L5: (123) L4 and (controller and node)

L6: (72) L5 and "power level"

L7: (53) L6 and monitor\$3

L8: (39) L7 and "control signal"

L9: (29) L8 and (combin\$3 near5 signal)

L10: (0) 9 and (upstream\$3 near8 wireless)

L11: (85104) wireless near5 system

L12: (2004) 11 and "remote unit"

L13: (158) 12 and "input port"

L14: (32) 13 and (AGC or "variable gain controller" or "automatic gain control

L15: (15) 14 and node

L16: (15) 15 and controller

L17: (14) 16 and (power near2 monitor)

L18: (1) 17 and (upstream\$3 near8 wireless)

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S13: (35) S12 and digital

S25: (3) S23 not satellite

S27: (13) S26 and port

United States  
Patent Application Publication  
Pub. No. US 2003/0162516 A1  
Solen, Jeff  
(2) Pub. Date: Aug. 21, 2003

(1) INVENTED AUTOMATIC GAIN  
CONTROL SYSTEM

(2) Inventor: Jeff Solen, Denville, NJ (US)  
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(3) Appl. No.: 10/001,223  
(4) Fld. Date: Feb. 21, 2002

(5) Publication Classifications  
(6) Int. Cl.: H04B 1/46

A wireless distribution system includes a number of wireless base stations connected to a central base station via wireless signals. The central base station receives the wireless signals from the wireless base stations and then transmits them to a user equipment or base station. In each wireless base station, signals are received, a section of higher power amplitude is demodulated, and the rest of the signal path is terminated. The amplitude power levels of the received signals are measured at one or all of the base stations and used to calculate a coefficient of signal loss. The gain of the signal path is then adjusted to maintain a specific constant amplitude to cancel out the effect of the variable gain coefficients.

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	U	I	Document ID	Issue Date	Pages	Title	Current OR	Current	Ret	Inventor
1	<input type="checkbox"/>	<input type="checkbox"/>	US 20030162516 A1	20030828	8	Distributed automatic gain control system	455/234.1	455/234.1	455/3.01	Solen, Jeff

Hits Details HTML

Ready NUM

EAST - [10084115.wsp:1]

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DBs US-PGPUB-USPAT Plurals

Default operator: OR

Highlight all hit terms initially

L4: (798) L3 and "base station"  
L5: (123) L4 and (controller and node)  
L6: (72) L5 and "power level"  
L7: (53) L6 and monitor\$3  
L8: (39) L7 and "control signal"  
L9: (29) L8 and (combin\$3 near5 signal)  
L10: (0) 9 and (upstream\$3 near8 wireless)  
L11: (85104) wireless near5 system  
L12: (2004) 11 and "remote unit"  
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L14: (32) 13 and (AGC or "variable gain controller" or "automatic gain control")  
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L16: (15) 15 and controller  
L17: (14) 16 and (power near2 monitor)  
L18: (1) 17 and (upstream\$3 near8 wireless)  
L19: (20099) 455/232.1 455/234.1 455/234.2 455/236.1 455/240.1 455/241.1 455/242.1 455/243.1 455/244.1 455/245.1 455/246.1 455/247.1 455/248.1 455/249.1 455/277.1 455/334 455/335 455/403 455/138-140 370/334 370/335 370/431 370/437 370/455 370/497 370/318 370/400

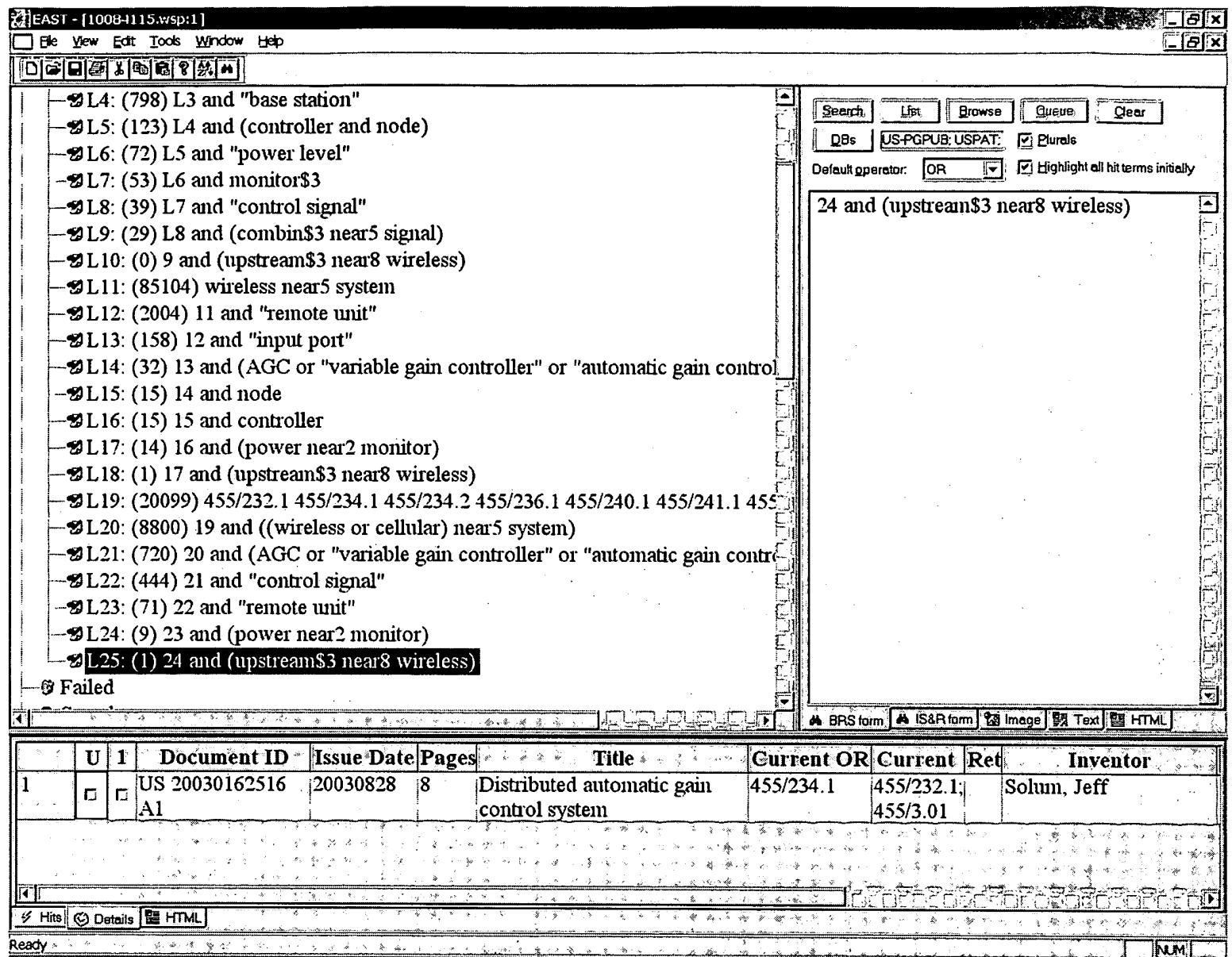
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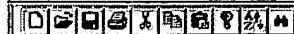
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- L6: (72) L5 and "power level"
- L7: (53) L6 and monitor\$3
- L8: (39) L7 and "control signal"
- L9: (29) L8 and (combin\$3 near5 signal)
- L10: (0) 9 and (upstream\$3 near8 wireless)
- L11: (85104) wireless near5 system
- L12: (2004) 11 and "remote unit"
- L13: (158) 12 and "input port"
- L14: (32) 13 and (AGC or "variable gain controller" or "automatic gain control")
- L15: (15) 14 and node
- L16: (15) 15 and controller
- L17: (14) 16 and (power near2 monitor)
- L18: (1) 17 and (upstream\$3 near8 wireless)
- L19: (20099) 455/232.1 455/234.1 455/234.2 455/236.1 455/240.1 455/241.1 455
- L20: (8800) 19 and ((wireless or cellular) near5 system)
- L21: (720) 20 and (AGC or "variable gain controller" or "automatic gain control")
- L22: (444) 21 and "control signal"
- L23: (71) 22 and "remote unit"
- L24: (9) 23 and (power near2 monitor)
- L25: (1) 24 and (upstream\$3 near8 wireless)
- L26: (28) 21 and "control signal".clm.
- L27: (2) 26 and (power near2 monitor).clm.
- L28: (1) 27 and (upstream\$3 near8 wireless).clm.

(a) United States  
 (a) Patent Application Publication (p) Pub. No: US 2003/0162516 A1  
 (c) Pub. Date: Aug. 28, 2003

(b) DISTRIBUTED AUTOMATIC GAIN CONTROL SYSTEM (12) 01A 02/ 022164; 6157731; 493345

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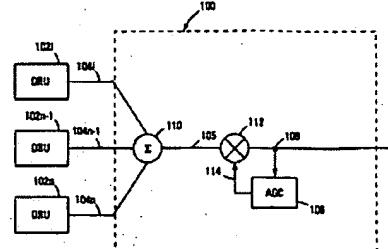
(21) Appl. No.: 10/394,012

(22) Filed: Jul. 25, 2003

(23) Priority Date:

(24) Int. Cl.:

(26) Drawing(s): 10



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